

NEWS OF THE WEEK.
EAST.

The National life insurance company of New York has failed.
The best bank that can be obtained in Washington is the present assets about \$1,000,000, all of which are large to large.
The Georgia has arrived at New York with a number of members of the Police department, and the identical best in which the police were picked up by the whaler.

The governor of the Washington city has made an informal deposit that they were ultimately to come on the dollar. The same may be long distant, as owing to the state of the public mind cannot at present be made on the 1st of the month.

The N. H. printer, works will do no printing on Dec. 1. About five hundred men are thrown out of employment. The same has shut down, and it is understood will be closed for four days per week hereafter.

The great Falls manufacturing concern will be run on three-fourths time. The mill has been running since the 1st of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

WEST.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

SOUTH.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

GENERAL.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

THE INTERNATIONAL BRIDGE.

The great international bridge across Niagara river from Buffalo to Fort Erie, in Canada, has been completed, although it has not yet been formally thrown open to travel.

The Buffalo Commercial Advertiser furnishes a complete account, from which we quote the following interesting description:

To state the fact roughly but plainly, the entire length of the bridge is about three-quarters of a mile. But more in detail the length is as follows: In the main river, 1,800 feet; over Squaw Island, 1,300 feet (trestle work); and over Black Rock harbor, 450 feet. The entire length of the superstructure in the main river is 1,800 feet; in Black Rock harbor, 440 feet. There are nine spans in the portion on the main river and three in the Black Rock harbor: four of 190 feet in the clear, and three of 240 in the clear. Over the main river are also two draw openings of 160 feet each; total length of draw girder, 362 feet. In Black Rock harbor are two draw openings of 90 feet each, and one fixed span 220 feet in length. In the main river are eight piers and two abutments; and in the harbor two piers and two abutments. The abutments are 40 feet long by 30 wide, at the bridge-level. Over the bridge is laid a track for foot passengers. The piers and abutments are built of sandstone from Georgetown and Aetna, Canada, and Berea, near Cleveland, Ohio. The iron of the superstructure was from the Phoenixville Iron company's works, Phoenixville, Penn. The first season was launched on the 13th of July, 1870, and the work progressed steadily up to the time of completion. It must be remembered that the current of the river, at the point where the bridge is located, runs from five miles and a half to ten miles an hour, according to the state of the wind. This was throughout one of the greatest difficulties encountered, and frequently retarded progress. Then, too, the depth of water varies from twelve to forty-five feet. The ice in winter, some may think, would damage the bridge in course of time, but the ice-breakers afforded ample protection, and on a few occasions two feet thick with comparative ease. Another remarkable thing connected with the history of the bridge is that during the whole course of the work not a single life has been lost. The workmen have, many of them, often been exposed to dangers, but always have escaped.

The respective weights of the different spans over the river are as follows: 190 feet, 130 tons; 240 feet, 208 tons; 362 feet, 353 tons; and the quantity of iron used in the whole bridge amounts to upward of 2,000 tons. At the request of Capt. Tyler, the English government inspector of railroads, who visited the bridge in November, 1871, on behalf of the English shareholders, one of the spans of 190 feet was loaded with 210 tons of iron rails, equally distributed over the floor beams (a weight of 210 tons that of a continuous train of locomotives crossing the span, and left in that condition for three days. The test was highly satisfactory, the deflection being found to be only about one inch, and the train returning exactly to its former condition on the removal of the rails.

The bridge has been leased to the various roads which will cross it for twenty years. The roads are the Grand Trunk, the Great Western, the Canada Southern, the New York Central, the Erie, and the New York West Shore and Chicago. Most of these railroads have already constructed their approaches to the bridge, and will commence sending trains across at as early a day as possible. The original plan contemplated a carriage-way, but this was abandoned for the reason that, as the bridge was three-quarters of a mile long, and so many trains were to cross it, there would very seldom be a chance for carriages to cross without interfering with the trains.

The entire cost of the bridge, in round numbers, is not less than \$1,500,000. Of its practical benefits we leave the reader to judge, merely stating in conclusion that it supplies a want long felt by the different railroads which have for so many years been obliged to cross the Niagara river on the steamer International.

The Pine Family.
The pine tribe, although among the oldest of plant creations still existing, seem to be less understood in regard to their structure than any other class, judging from the number of papers about them continually appearing in scientific journals. Among the suggestions of recent years is one that what we call pine leaves ("needles") are not leaves in the same sense as the leaves of plants generally are, but modified branches; which, as the true leaves are not developed, have to take on themselves somewhat the character of leaves and perform the leaf's usual offices. A recent paragraph in English papers calls attention to the many uses to which pine "leaves" are put. It is said that a sort of "flannel" is made from the fiber of the leaves, and that the refuse after the fiber has been separated furnishes gas to carry on the fiber factory. It is singular that dicotyledonous plants generally yield no fibrous plants. These are chiefly confined to yuccas, palms, lilies, or grasses. Hemp, flax, and similar products are usually furnished by the stems when derived from dicotyledons. The fact that pine "leaves" furnish fiber might, therefore, be taken, perhaps, as an additional proof that they are rather branches than true leaves.

A VALUABLE DRAFTING INSTRUMENT.
Josiah Lyman of Londox has lately perfected an ingenious and accurate mathematical instrument, after 15 years of labor and experiment. It is a kind of protracting trigonometrical, by which all angles and distances may be put down upon paper, with accuracy equal to that of the best field instruments; by which even their errors may be corrected and results obtained (in determining areas, for instance), reliable to one twenty-millionth part of the whole; and of corresponding exactness in the solution of all trigonometrical problems. Traversing tables and, in most cases, logarithms will be, the inventor believes, thus rendered unnecessary, and hence a large amount of time and labor saved.

JOHN IN THE SOUTH.
The Chinese on the Plantations of Louisiana.
Inquiries have lately been made through the columns of a New Orleans journal in regard to the success of Chinese labor in the sugar parishes of Louisiana. Suggestions were made in the same article that it might benefit the planters if large numbers were brought to the plantations of this state.

We do not know what satisfaction Chinese are giving in 73, but we have some facts about them as laborers in 71. Dr. Kittredge brought fourteen Chinese from Cuba to his plantation on the Lafourche, in 1858 or '59. They worked very well for awhile, but were slow and weak. They at length became almost worthless; would not work; stole everything they could put their hands on; made an assault on the manager with their sheath-knives—would have killed him but for the intervention of a faithful negro with a six-shooter. They were all driven from the plantation.

After this over two hundred Chinese were brought from China to this state; one hundred and fifteen were sent to a plantation on the Lafourche, and forty were placed on one plantation and twenty on another, in the parish of Terrebonne. The one hundred and fifteen did well for awhile, but at length a portion ran away, others gave much trouble, and we think there are none left on the plantation at the present time. It cost \$250 a head to bring them from China, but they can be brought to the state for a much lower price.

The proprietor of the Millaudon plantation, near New Orleans, brought one hundred and forty-one Chinese from California through the agency of one Cum Wing, or Kim Wing as it is sometimes written. It cost about \$12,000 to bring them to the plantation and start them to work. They had not been at work many weeks when Cum Wing made his appearance on the plantation. When the Chinese heard of it they made a move in a mass on the house, captured Cum Wing, took him to their quarters, took away his hat, coat and boots, and it was thought they would kill him. The planter, agent, overseer and negroes, could have no influence in restraining the wrath of the pagodas. They had to send for the city police who, subduing them with their clubs and threatened them with six-shooters. The cause of the mass was that the Chinese were dissatisfied with their contract, and demanded that Cum Wing and the planter should change it. At another time the overseer was compelled to shoot one of them, wounding him in the arm. The whole body of them, armed with knives, clubs, axes and bludgeons, pursued him to the planter's house, demanded his blood, and could not be restrained by any one. They are said to have been the most diabolical crowd that ever assembled in and around New Orleans. Their eyes and countenances were like those of incarnate fiends. They were determined to search the house in spite of the planter, but the overseer escaped to Gretna, and never came back again.

The agent of the plantation said they were the most voracious, thieving, and laboring he ever saw. They refused to work for the chief contractor at the plantation, and were afterwards discharged; forty ran away; twenty-five went to work for a planter up the coast, and either ran away or were discharged. There are none on the Millaudon plantation now.

They have generally had the name of being unfaithful, clamorous, sordid, slow and weak, and have in all the instances we have heard of disappointed their employers sadly.

Most of the Chinamen who were on plantations in 1870 and 1871, we think, have gone to the cities and villages to hunt up light and easy work, and to the south and west, and to California. We can hear of none on the Lafourche or in Terrebonne, though some planters may yet employ them. They may have reformed since 1871, and may be doing well on a dozen plantations in the state, but we have no information to that effect.

One planter once said he wished there were a million of them in the state. We think a million would seal the doom of Louisiana, and we would then sink to rise no more.

DURATION OF TIMBER.—It is a curious fact, and one of great practical importance in structural science, that in the salt mines of Poland and Hungary the galleries are supported by wooden pillars, which are found to last unimpaired for ages, in consequence of being impregnated with the salt, while pillars of brick and stone, used for the same purpose, crumble away in a short time by the decay of their mortar. It is also found that wooden piles, driven into the mud of salt flats and marshes, last for an unlimited time, and are used for the foundations of brick and stone edifices; and the practice of docking timber, by immersing it for some time in sea water, after it has been seasoned, is generally admitted to promote its durability. There are some experiments which appear to show that, after the dry rot has commenced, immersion in salt water effectually checks its progress and preserves the remainder of the timber. It can be taken to renew the coat of paint as often as it decays, wood on the outside of the buildings may be made to last for centuries; paint, however, is no preservative against the internal or dry rot, notwithstanding the fact that generally no rot is found in wood which has been painted.

THE MERRIMACK.
The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

The Merrimack has shut down for the month of the month. The Merrimack has shut down for the month of the month.

THE INTERNATIONAL BRIDGE.

The great international bridge across Niagara river from Buffalo to Fort Erie, in Canada, has been completed, although it has not yet been formally thrown open to travel.

The Buffalo Commercial Advertiser furnishes a complete account, from which we quote the following interesting description:

To state the fact roughly but plainly, the entire length of the bridge is about three-quarters of a mile. But more in detail the length is as follows: In the main river, 1,800 feet; over Squaw Island, 1,300 feet (trestle work); and over Black Rock harbor, 450 feet. The entire length of the superstructure in the main river is 1,800 feet; in Black Rock harbor, 440 feet. There are nine spans in the portion on the main river and three in the Black Rock harbor: four of 190 feet in the clear, and three of 240 in the clear. Over the main river are also two draw openings of 160 feet each; total length of draw girder, 362 feet. In Black Rock harbor are two draw openings of 90 feet each, and one fixed span 220 feet in length. In the main river are eight piers and two abutments; and in the harbor two piers and two abutments. The abutments are 40 feet long by 30 wide, at the bridge-level. Over the bridge is laid a track for foot passengers. The piers and abutments are built of sandstone from Georgetown and Aetna, Canada, and Berea, near Cleveland, Ohio. The iron of the superstructure was from the Phoenixville Iron company's works, Phoenixville, Penn. The first season was launched on the 13th of July, 1870, and the work progressed steadily up to the time of completion. It must be remembered that the current of the river, at the point where the bridge is located, runs from five miles and a half to ten miles an hour, according to the state of the wind. This was throughout one of the greatest difficulties encountered, and frequently retarded progress. Then, too, the depth of water varies from twelve to forty-five feet. The ice in winter, some may think, would damage the bridge in course of time, but the ice-breakers afforded ample protection, and on a few occasions two feet thick with comparative ease. Another remarkable thing connected with the history of the bridge is that during the whole course of the work not a single life has been lost. The workmen have, many of them, often been exposed to dangers, but always have escaped.

The respective weights of the different spans over the river are as follows: 190 feet, 130 tons; 240 feet, 208 tons; 362 feet, 353 tons; and the quantity of iron used in the whole bridge amounts to upward of 2,000 tons. At the request of Capt. Tyler, the English government inspector of railroads, who visited the bridge in November, 1871, on behalf of the English shareholders, one of the spans of 190 feet was loaded with 210 tons of iron rails, equally distributed over the floor beams (a weight of 210 tons that of a continuous train of locomotives crossing the span, and left in that condition for three days. The test was highly satisfactory, the deflection being found to be only about one inch, and the train returning exactly to its former condition on the removal of the rails.

The bridge has been leased to the various roads which will cross it for twenty years. The roads are the Grand Trunk, the Great Western, the Canada Southern, the New York Central, the Erie, and the New York West Shore and Chicago. Most of these railroads have already constructed their approaches to the bridge, and will commence sending trains across at as early a day as possible. The original plan contemplated a carriage-way, but this was abandoned for the reason that, as the bridge was three-quarters of a mile long, and so many trains were to cross it, there would very seldom be a chance for carriages to cross without interfering with the trains.

The entire cost of the bridge, in round numbers, is not less than \$1,500,000. Of its practical benefits we leave the reader to judge, merely stating in conclusion that it supplies a want long felt by the different railroads which have for so many years been obliged to cross the Niagara river on the steamer International.

The Pine Family.
The pine tribe, although among the oldest of plant creations still existing, seem to be less understood in regard to their structure than any other class, judging from the number of papers about them continually appearing in scientific journals. Among the suggestions of recent years is one that what we call pine leaves ("needles") are not leaves in the same sense as the leaves of plants generally are, but modified branches; which, as the true leaves are not developed, have to take on themselves somewhat the character of leaves and perform the leaf's usual offices. A recent paragraph in English papers calls attention to the many uses to which pine "leaves" are put. It is said that a sort of "flannel" is made from the fiber of the leaves, and that the refuse after the fiber has been separated furnishes gas to carry on the fiber factory. It is singular that dicotyledonous plants generally yield no fibrous plants. These are chiefly confined to yuccas, palms, lilies, or grasses. Hemp, flax, and similar products are usually furnished by the stems when derived from dicotyledons. The fact that pine "leaves" furnish fiber might, therefore, be taken, perhaps, as an additional proof that they are rather branches than true leaves.

A VALUABLE DRAFTING INSTRUMENT.
Josiah Lyman of Londox has lately perfected an ingenious and accurate mathematical instrument, after 15 years of labor and experiment. It is a kind of protracting trigonometrical, by which all angles and distances may be put down upon paper, with accuracy equal to that of the best field instruments; by which even their errors may be corrected and results obtained (in determining areas, for instance), reliable to one twenty-millionth part of the whole; and of corresponding exactness in the solution of all trigonometrical problems. Traversing tables and, in most cases, logarithms will be, the inventor believes, thus rendered unnecessary, and hence a large amount of time and labor saved.

JOHN IN THE SOUTH.
The Chinese on the Plantations of Louisiana.
Inquiries have lately been made through the columns of a New Orleans journal in regard to the success of Chinese labor in the sugar parishes of Louisiana. Suggestions were made in the same article that it might benefit the planters if large numbers were brought to the plantations of this state.